

SEQUENCE LISTING

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Knappe, Andrea

<120> MAMMALIAN CYTOKINE; RELATED REAGENTS

<130> DX0644KBK

<150> 09/363,993
<151> 1999-07-29

<160> 21

<170> PatentIn version 3.1

<210> 1
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<212> DNA
<213> Homo sapiens

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<221> CDS
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ttg agg tgt ggg ttg ctg tta gtc act ctg tct ctt gcc att gcc aag 101
Leu Arg Cys Gly Leu Leu Leu Val Thr Leu Ser Leu Ala Ile Ala Lys
10 15 20

cac aag caa tct tcc ttc acc aaa agt tgt tac cca agg gga aca ttg 149
His Lys Gln Ser Ser Phe Thr Lys Ser Cys Tyr Pro Arg Gly Thr Leu
25 30 35

tcc caa gct gtt gac gct ctc tat atc aaa gca gca tgg ctc aaa gca 197
Ser Gln Ala Val Asp Ala Leu Tyr Ile Lys Ala Ala Trp Leu Lys Ala
40 45 50

acg att cca gaa gac cgc ata aaa aat ata cga tta tta aaa aag aaa 245
Thr Ile Pro Glu Asp Arg Ile Lys Asn Ile Arg Leu Leu Lys Lys Lys
55 60 65 70

aca aaa aag cag ttt atg aaa aac tgt caa ttt caa gaa cag ctt ctg 293
Thr Lys Lys Gln Phe Met Lys Asn Cys Gln Phe Gln Glu Gln Leu Leu
75 80 85

tcc ttc ttc atg gaa gac gtt ttt ggt caa ctg caa ttg caa ggc tgc 341
Ser Phe Phe Met Glu Asp Val Phe Gly Gln Leu Gln Leu Gln Gly Cys
90 95 100

aag aaa ata cgc ttt gtg gag gac ttt cat agc ctt agg cag aaa ttg 389
Lys Lys Ile Arg Phe Val Glu Asp Phe His Ser Leu Arg Gln Lys Leu
105 110 115

Phe Gln Glu Gln Leu Leu Ser Phe Phe Met Glu Asp Val Phe Gly Gln
85 90 95

Leu Gln Leu Gln Gly Cys Lys Lys Ile Arg Phe Val Glu Asp Phe His
100 105 110

Ser Leu Arg Gln Lys Leu Ser His Cys Ile Ser Cys Ala Ser Ser Ala
115 120 125

Arg Glu Met Lys Ser Ile Thr Arg Met Lys Arg Ile Phe Tyr Arg Ile
130 135 140

Gly Asn Lys Gly Ile Tyr Lys Ala Ile Ser Glu Leu Asp Ile Leu Leu
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Ser Trp Ile Lys Lys Leu Leu Glu Ser Ser Gln
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<212> PRT
<213> Equine Herpes Virus

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Trp Ala Asp Asn Lys Tyr Asp Ser Glu Ser Gly Asp Asp Cys Pro Thr
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Leu Pro Thr Ser Leu Pro His Met Leu His Glu Leu Arg Ala Ala Phe
35 40 45

Ser Arg Val Lys Thr Phe Phe Gln Met Lys Asp Gln Leu Asp Asn Met
50 55 60

Leu Leu Asp Gly Ser Leu Leu Glu Asp Phe Lys Gly Tyr Leu Gly Cys
65 70 75 80

Gln Ala Leu Ser Glu Met Ile Gln Phe Tyr Leu Glu Glu Val Met Pro
85 90 95

Gln Ala Glu Asn His Ser Thr Asp Gln Glu Lys Asp Lys Val Asn Ser
100 105 110

Leu Gly Glu Lys Leu Lys Thr Leu Arg Val Arg Leu Arg Arg Cys His
115 120 125

Arg Phe Leu Pro Cys Glu Asn Lys Ser Lys Ala Val Glu Gln Val Lys
130 135 140

Ser Ala Phe Ser Lys Leu Gln Glu Lys Gly Val Tyr Lys Ala Met Ser
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Glu Phe Asp Ile Phe Ile Asn Tyr Ile Glu Ala Tyr Met Thr Thr Lys
165 170 175

Met Lys Asn

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<213> Epstein Barr Virus

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35 40 45

Gln Thr Lys Asp Glu Val Asp Asn Leu Leu Leu Lys Glu Ser Leu Leu
50 55 60

Glu Asp Phe Lys Gly Tyr Leu Gly Cys Gln Ala Leu Ser Glu Met Ile
65 70 75 80

Gln Phe Tyr Leu Glu Glu Val Met Pro Gln Ala Glu Asn Gln Asp Pro
85 90 95

Glu Ala Lys Asp His Val Asn Ser Leu Gly Glu Asn Leu Lys Thr Leu
100 105 110

Arg Leu Arg Leu Arg Arg Cys His Arg Phe Leu Pro Cys Glu Asn Lys
115 120 125

Ser Lys Ala Val Glu Gln Ile Lys Asn Ala Phe Asn Lys Leu Gln Glu
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Lys Gly Ile Tyr Lys Ala Met Ser Glu Phe Asp Ile Phe Ile Asn Tyr
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Ile Glu Ala Tyr Met Thr Ile Lys Ala Arg
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Phe Pro Val Gly Gln Ser His Met Leu Leu Glu Leu Arg Thr Ala Phe
 35 40 45

Ser Gln Val Lys Thr Phe Phe Gln Thr Lys Asp Gln Leu Asp Asn Ile
 50 55 60

Leu Leu Thr Asp Ser Leu Met Gln Asp Phe Lys Gly Tyr Leu Gly Cys
 65 70 75 80

Gln Ala Leu Ser Glu Met Ile Gln Phe Tyr Leu Val Glu Val Met Pro
 85 90 95

Gln Ala Glu Lys His Gly Pro Glu Ile Lys Glu His Leu Asn Ser Leu
 100 105 110

Gly Glu Lys Leu Lys Thr Leu Arg Met Arg Leu Arg Arg Cys His Arg
 115 120 125

Phe Leu Pro Cys Glu Asn Lys Ser Lys Ala Val Glu Gln Val Lys Ser
 130 135 140

Asp Phe Asn Lys Leu Gln Asp Gln Gly Val Tyr Lys Ala Met Asn Glu
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Lys Ser

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<213> Homo sapiens

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35 40 45

Ser Arg Val Lys Thr Phe Phe Gln Met Lys Asp Gln Leu Asp Asn Leu
50 55 60

Leu Leu Lys Glu Ser Leu Leu Glu Asp Phe Lys Gly Tyr Leu Gly Cys
65 70 75 80

Gln Ala Leu Ser Glu Met Ile Gln Phe Tyr Leu Glu Glu Val Met Pro
85 90 95

Gln Ala Glu Asn Gln Asp Pro Asp Ile Lys Ala His Val Asn Ser Leu
100 105 110

Gly Glu Asn Leu Lys Thr Leu Arg Leu Arg Leu Arg Arg Cys His Arg
115 120 125

Phe Leu Pro Cys Glu Asn Lys Ser Lys Ala Val Glu Gln Val Lys Asn
130 135 140

Ala Phe Asn Lys Leu Gln Glu Lys Gly Ile Tyr Lys Ala Met Ser Glu
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Phe Asp Ile Phe Ile Asn Tyr Ile Glu Ala Tyr Met Thr Met Lys Ile
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Arg Asn

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<400> 8
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